

The main citation is Inanuma (US4978,181) and the Examiner that picks various features of the Claim in turn from Levchik (US 6569 928), Pengilly ( US 4185,046) and Mitsubishi ( US 4115 617) in order render the present invention obvious.

The fact that the teachings from such a large number of documents have been combined, militates against the submission that the invention is obvious. Such a combination of documents can only be arrived at by hindsight analysis of the Invention and then looking for each feature in a prior art document. This evidenced by the fact that all four documents have been assigned to different primary US Classes and international Classes.

Even if it accepted that such a large combination of documents is allowable in formulating an argument that the invention is obvious, none of the cited documents, or any combination thereof, disclose a composite containing a UV absorber in a film layer arranged outwardly of the FR containing adhesive layer.

The Examiner has totally ignored the fact that the UV material is provided a specified film layer. The positioning of the UV absorbing PET prevents the FR materials used in the composite from yellowing or bronzing on aging.

This problem with FR containing composites is not disclosed in any of the cited art.

Inanuma does not teach a Sun shade containing FR materials. The problems associated with the incorporation of FR materials into transparent shade composites are totally ignored.

The applicant can demonstrate that the incorporation of FR materials into adhesives of the type disclosed in Pengilly gives rise to high levels of haze which is unacceptable in transparent composites.

Pengilly at Col 2 line 65- Col 3 line 5 acknowledges the problems associated

with the use of FR in an adhesive and states that the adhesive can be somewhat hazy due to the presence of FR. However the haze problem is then totally ignored. Pengilly discloses an adhesive containing FR which can be used to coat PET film and other flammable substrates to act as a fire retardant for itself and the PET film/adhesive composite. However the composites disclosed in Col 3 line 40 to Col 4 line 15 are not transparent but are opaque due to the aluminium foil.

The applicant accepts that the use of UV absorbers with PET is known. However, the present invention relates to a composite film in which the PET layer containing the UV absorber is used in specified layers in the composite in relation to the FR containing layers.

Levchik teaches the use of resorcinol bis (diphenylphosphate) as a FR material (amongst many others) which is added to a PET formulation. It does not teach the addition of FR to the adhesive and nor does it solve the problems of haze in the adhesive layer.

The applicant has invented a film composite which meets the most stringent FR requirements, is transparent, and has good resistance to deterioration due to rapid breakdown of the FR material. This specific combination of features is not shown in the prior art.

With regard to Claims 11 and 19 also specify the particular adhesive which contains the FR material. This adhesive is not found in Pengilly. The applicant can demonstrate that the choice of the combination of adhesive/FR material is important in order to maintain the particular optical properties.

With regard to the Examiners comments on Claim 17 & 19, the present invention is the first disclosure of a sun shade having sound deadening characteristics. Once the present invention has been conceived, then in hindsight it might be obvious to use the teachings of Fuchs and Jablonka. However, the invention is the realisation that a shade can also be used for sound deadening.

None of the cited art, either singly or in combination, discloses the invention as now claimed in Claims 1, 11, & 19.

For the reasons given above, it is believed that the claims as presently amended should now be allowable and such action is respectfully requested.

If the examiner feels that are still a few minor matters to be resolved before issuing a notice of allowance, Applicants' attorney would welcome a phone call from the Examiner at the below listed phone number.

Respectfully submitted,

  
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I hereby certify that this correspondence is being facsimile transmitted to the US Patent and Trademark Office (Fax No. (571) 273-8300) on September 28, 2005.

Paul E Milliken

Signature

